Agrimonia pilosa Ledeb.

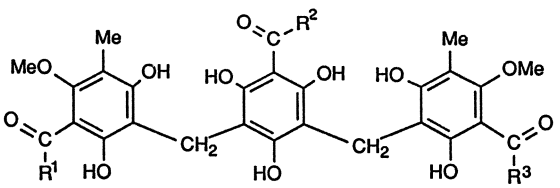
5

5.1 Introduction

Xianhecao, Herba Agrimoniae, is the dry above ground part of *Agrimonia pilosa* Ledeb. (Rosaceae) harvested in summer and fall when the plants flourish. It is listed officially in the Chinese Pharmacopoeia and used as a hemostatic, antimalarial, and antidysenteric agent.

5.2 Chemical Constituents

A. pilosa was found to contain a number of phenolic compounds. Thus, five agrimols A (*5-1*), B (*5-2*), C (*5-3*), D (*5-4*), and E (*5-5*) [1, 2] and agrimoniin, potentillin, pedunculagin [3], luteolin-7-glucoside, apigenin-7-glucoside, quercetin, ellagic acid, caffeic acid, and gallic acid [4] were detected.



	R^1	R^2	R^3
Agrimol A (*5-1*)	—CH(CH$_3$)CH$_3$	—CH(CH$_3$)CH$_2$CH$_3$	—CH(CH$_3$)CH$_3$
Agrimol B (*5-2*)	—CH$_2$CH$_2$CH$_3$	—CH(CH$_3$)CH$_2$CH$_3$	—CH$_2$CH$_2$CH$_3$
Agrimol C (*5-3*)	—CH$_2$CH$_2$CH$_3$	—CH$_2$CH$_2$CH$_3$	—CH$_2$CH$_2$CH$_3$
Agrimol D (*5-4*)	—CH(CH$_3$)CH$_3$	—CH(CH$_3$)CH$_2$CH$_3$	—CH$_3$
Agrimol E (*5-5*)	—CH$_3$	—CH(CH$_3$)CH$_2$CH$_3$	—CH$_3$